



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/827,105	04/05/2001	Jan Michael Ouzounidis	14292.6	5012

7590 07/01/2005

DANA L. TANGREN  
WORKMAN, NYDEGGER & SEELEY  
1000 EAGLE GATE TOWER  
60 EAST SOUTH TEMPLE  
SALT LAKE CITY, UT 84111

EXAMINER

PHAM, THOMAS K

ART UNIT	PAPER NUMBER
----------	--------------

2121

DATE MAILED: 07/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/827,105

Applicant(s)

OUZOUNIDIS ET AL.

Examiner

Thomas K. Pham

Art Unit

2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6, 8-19, 21-25, 28, 29 and 31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8-19, 21-25, 28, 29 and 31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s):**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

*Response to Amendment*

1. This action is in response to request for continued examination (RCE) filed on 06/08/2005.
2. Claims 1-6, 8-19, 21-25, 28-29, and 31 are presented for examination.

**Quotations of U.S. Code Title 35**

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

### **Claim Rejections - 35 USC § 103**

7. Claims 1-4, 8-10, 12-17, 21-23, 25, 28-29 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,928,325 ("Shaughnessy") in view of U.S. Patent No. 6,654,789 ("Bliss").

#### **Regarding claim 1**

Shaughnessy teaches a method for enabling the sending of messages to a recipient via any of a number of messaging systems of different types, the method comprising:

- storing address for said recipient (col. 4 line 66 to col. 5 line 6, "Upon receipt of the message ... of known database users");
- receiving recipient availability information from said messaging systems (col. 5 lines 7-16, "The central agent 15 ... in a known manner");
- interpreting said recipient availability information so as to determine in which of said messaging systems said recipient is currently available (col. 5 lines 17-20, "Once all the networks ... to send a message transmit"), wherein said recipient is considered to be available in at least said messaging system associated with a preferred address (col. 5 lines 10-14, "The central agent 15 then polls ... the incoming message right now");
- receiving an originator input including an identification of said recipient (col. 5 lines 10-14, "The central agent 15 then polls ... the incoming message right now"), wherein said originator input further includes a message (col. 4 lines 59-63, "When a message sourced ... by the receiving network(s)");
- identifying at least the messaging system associated with the preferred address (col. 5 lines 42-59, "Because the format type ... a low resolution graphics terminal"); and

- sending said message to said recipient via at least said messaging system associated with said preferred address (col. 5 lines 30-37, "When the device(s) to send ... on the chosen network(s)").

*It should be noted that since the user devices is selected based on the user-device select rules which may include look-up table and/or a decisional operation based (see col. 5 lines 17-22), the highest priority device (preferred device) among the devices inherently is a "preferred address" in which communication can be established.*

Shaughnessy does not specifically teach the recipient choosing at least one of the stored addresses as a preferred address for communication with said recipient; and the recipient selecting a different at least one of the stored addresses as a new preferred address for communication with said recipient.

Bliss teaches the recipient choosing at least one of the stored addresses as a preferred address for communication with said recipient (see col. 2 lines 40-44, "As a first step 10 ... prefers others to contact him"); and the recipient selecting a different at least one of the stored addresses as a new preferred address for communication with said recipient (see col. 5 line 66 to col. 6 line 7, "A preferred address may only ... during the registration process") for the purpose of storing old and new electronic identifiers for searching and matching the new and old electronic identifiers of an entity (see col. 1 lines 52-55).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the choosing and changing of a preferred address of Bliss with the delivery system of Shaughnessy because it would provide or the purpose of storing old and new

Art Unit: 2121

electronic identifiers for searching and matching the new and old electronic identifiers of an entity.

**Regarding claim 14**

Shaughnessy teaches a system for enabling the sending of messages to a recipient via any of a number of messaging systems of different types, comprising:

- first interface means connected to said messaging systems (col. 3 line 65 to col. 4 line 3, “Messages from the central agent 15 ... of the cellular phone 34”);
- second interface means for receiving an originator input including an identification of said recipient (col. 5 lines 10-14, “The central agent 15 then polls ... the incoming message right now”), said originator input further include a message (col. 4 lines 59-63, “When a message sourced ... by the receiving network(s)”);
- third interface means for receiving recipient availability information from said messaging systems (col. 5 lines 7-16, “The central agent 15 ... in a known manner”);
- memory means for storing address for said recipient (col. 4 line 66 to col. 5 line 6, “Upon receipt of the message ... of known database users”) at least on address being selectively identified by said recipient as a preferred address for communication with said recipient (col. 5 lines 10-14, “The central agent 15 then polls ... the incoming message right now”);
- first processing means for identifying at least the messaging system associated to the preferred address (col. 5 lines 42-59, “Because the format type ... a low resolution graphics terminal”); and

Art Unit: 2121

- second processing means for interpreting said recipient availability information so as to determine in which of said messaging systems said recipient is currently available (col. 5 lines 17-20, "Once all the networks ... to send a message transmit"), wherein said recipient is considered to be available in at least said messaging system associated with said preferred address (col. 5 lines 10-14, "The central agent 15 then polls ... the incoming message right now");
- wherein said first processing means are operatively connectively connected to said second processing means and said first interface means are arranged to send said message to said recipient via at least said messaging system associated with said preferred address (col. 5 lines 30-37, "When the device(s) to send ... on the chosen network(s)").

*It should be noted that since the user devices is selected based on the user-device select rules which may include look-up table and/or a decisional operation based (see col. 5 lines 17-22), the highest priority device (preferred device) among the devices inherently is a "preferred address" in which communication can be established.*

Shaughnessy does not teach wherein the system is configured such that said recipient can initially choose at least one of the stored addresses to be the preferred address and can subsequently change the preferred address by choosing a different at least one of the stored addresses to be a new preferred address.

However, Bliss teaches the recipient choosing at least one of the stored addresses as a preferred address for communication with said recipient (see col. 2 lines 40-44, "As a first step 10 ... prefers others to contact him"); and the recipient selecting a different at least one of the stored addresses as a new preferred address for communication with said recipient (see col. 5 line

Art Unit: 2121

66 to col. 6 line 7, “A preferred address may only ... during the registration process”) for the purpose of storing old and new electronic identifiers for searching and matching the new and old electronic identifiers of an entity (see col. 1 lines 52-55).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the choosing and changing of a preferred address of Bliss with the delivery system of Shaughnessy because it would provide for the purpose of storing old and new electronic identifiers for searching and matching the new and old electronic identifiers of an entity.

#### **Regarding claim 29**

Shaughnessy teaches a computer readable medium having computer-executable instructions for performing the steps of:

- storing address for said recipient (col. 4 line 66 to col. 5 line 6, “Upon receipt of the message ... of known database users”);
- receiving recipient availability information from said messaging systems (col. 5 lines 7-16, “The central agent 15 ... in a known manner”);
- interpreting said recipient availability information so as to determine in which of said messaging systems said recipient is currently available (col. 5 lines 17-20, “Once all the networks ... to send a message transmit”), wherein said recipient is considered to be available in at least said messaging system associated with a preferred address (col. 5 lines 10-14, “The central agent 15 then polls ... the incoming message right now”);
- receiving an originator input including an identification of said recipient (col. 5 lines 10-14, “The central agent 15 then polls ... the incoming message right now”), wherein said



originator input further includes a message (col. 4 lines 59-63, "When a message sourced ... by the receiving network(s)");

- identifying at least the messaging system associated with the preferred address (col. 5 lines 42-59, "Because the format type ... a low resolution graphics terminal"); and
- sending said message to said recipient via at least said messaging system associated with said preferred address (col. 5 lines 30-37, "When the device(s) to send ... on the chosen network(s)").

*It should be noted that since the user devices is selected based on the user-device select rules which may include look-up table and/or a decisional operation based (see col. 5 lines 17-22), the highest priority device (preferred device) among the devices inherently is a "preferred address" in which communication can be established.*

Shaughnessy does not specifically teach the recipient choosing at least one of the stored addresses as a preferred address for communication with said recipient; and the recipient selecting a different at least one of the stored addresses as a new preferred address for communication with said recipient.

Bliss teaches the recipient choosing at least one of the stored addresses as a preferred address for communication with said recipient (see col. 2 lines 40-44, "As a first step 10 ... prefers others to contact him"); and the recipient selecting a different at least one of the stored addresses as a new preferred address for communication with said recipient (see col. 5 line 66 to col. 6 line 7, "A preferred address may only ... during the registration process") for the purpose of storing old and new electronic identifiers for searching and matching the new and old electronic identifiers of an entity (see col. 1 lines 52-55).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the choosing and changing of a preferred address of Bliss with the delivery system of Shaughnessy because it would provide for the purpose of storing old and new electronic identifiers for searching and matching the new and old electronic identifiers of an entity.

**Regarding claims 2 and 15**

Shaughnessy teaches one of said messaging system is a cellular mobile system and said recipient availability information includes an indication of whether a mobile unit of said recipient is available or not (col. 4 lines 3-14, "The central controller switch 31 ... by the central controller switch 31").

**Regarding claims 3 and 16**

Shaughnessy teaches indication of whether said mobile unit of said recipient is available or not is an indication of whether said mobile unit of said recipient is attached to said cellular mobile system or not, further comprising: determining that said mobile unit of said recipient is available if said mobile unit of said recipient is attached to said cellular mobile system, and determining that said mobile unit of said recipient is not available otherwise (col. 4 lines 46-58, "The central agent 15 ... to the graphics terminal 44").

**Regarding claims 4 and 17**

Shaughnessy teaches indication of whether said mobile unit of said recipient is attached to said cellular mobile system or not is received from a Home Location Register in said cellular mobile system (col. 3 line 65 to col. 4 line 7, "Messages from the central ... of an incoming message").

**Regarding claims 8, 21 and 31**

Bliss teaches choosing a second address among said stored addresses, which second address is associated with a messaging system in which said recipient is currently available (col. 4 lines 63-66, “if the registrant has ... e-mail over the system”); and sending said message to said recipient via the messaging system associated with said second address (col. 4 lines 66-67).

**Regarding claims 9 and 22**

Shaughnessy teaches originator input is received as a voice input, further comprising converting said voice input to text (col. 7 lines 19-27, “although the message ... into one system 10”).

**Regarding claims 10 and 23**

Shaughnessy teaches further comprising: determining the type of message, text or voice, used in the messaging system associated with said second address (col. 5 lines 30-59, “When the device(s) to ... resolution graphics terminal”); and sending said message as said determined type of message to said recipient via the messaging system associated with said second address (col. 5 lines 64-67, “After the transformation step is ... to the appropriate chosen networks”).

**Regarding claims 12 and 25**

Shaughnessy teaches the messaging system associated with said second address is an e-mail system, said second address is an e-mail address of said recipient, and the message is sent as an e-mail via said e-mail system (col. 4 lines 63-66, “if the registrant has ... e-mail over the system”).

**Regarding claims 13 and 28**

Shaughnessy teaches receiving a reply message from said recipient as said determined type of message via the messaging system associated with said second address (col. 6 lines 18-24, “Once

Art Unit: 2121

the availability of ... to the available devices”); converting said reply message to voice if said reply message is a text message (col. 6 lines 25-39, “If the email message ... for this purpose”).

8. Claims 5 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaughnessy in view of Bliss and further in view of U.S. Patent No. 5,901,359 (“Malmstrom”).

**Regarding claims 5 and 18**

Shaughnessy and Bliss teach enabling the sending of messages to a recipient via any of a number of messaging systems of different types but do not teach indication of whether said mobile unit of said recipient is attached to said cellular mobile system or not is received from a Visitor Location Register in said cellular mobile system.

However, Malmstrom teaches indication of whether the mobile unit of the recipient is attached to the cellular mobile system or not is received from a Visitor Location Register in said cellular mobile system (col. 3 lines 14-34, “The system includes a Wireline ... telephone number destination”) for the purpose of routing single-number calls to the appropriate wireless network based upon the current location of the wireless recipient (see col. 2 lines 50-54).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the location indication of Malmstrom with the systems of Shaughnessy and Bliss because it would provide for the purpose of routing single-number calls to the appropriate wireless network based upon the current location of the wireless recipient.

9. Claims 6 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaughnessy in view of Bliss and further in view of U.S. Patent No. 6,018,657 (“Kennedy”).

Art Unit: 2121

**Regarding claims 6 and 19**

Shaughnessy and Bliss teach enabling the sending of messages to a recipient via any of a number of messaging systems of different types but do not teach sending a Short Message Service message to said mobile unit of said recipient via a Short Message Service Center in said cellular mobile system; determining that said mobile unit of said recipient is available if an acknowledgement is received from the Short Message Service Center within a time limit; and determining that said mobile unit of said recipient is not available otherwise.

However, Kennedy teaches determining the availability status of a mobile unit by sending short messages to the mobile unit for predetermine time interval (col. 10 line 62 to col. 11 line 7, "destination messaging unit 14 ... could not be delivered") for the purpose of obtaining the availability status of the mobile unit when the unit may have traveled outside of the coverage area, powered down or is otherwise unable to receive a message (see col. 10 lines 62-67).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the messaging system of Kennedy with the systems of Shaughnessy and Bliss because it would provide for the purpose of obtaining the availability status of the mobile unit when the unit may have traveled outside of the coverage area, powered down or is otherwise unable to receive a message.

10. Claims 11 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaughnessy in view of Bliss and further in view of U.S. Patent No. 5,915,222 ("Olsson").

**Regarding claims 11 and 24**

Art Unit: 2121

Shaughnessy and Bliss teaches the messaging system associated with the second address is a cellular mobile system, the second address is a mobile phone number of a mobile unit of the recipient (col. 3 line 65 to col. 3) but do not teach the message is sent as a Short Message Service message via said cellular mobile system.

However, Olsson teaches transporting short message service messages via the cellular mobile system (see col. 2 lines 23-39) for the purpose of communicating unstructured data within a mobile telecommunication network (see col. 2 lines 18-22).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the Short Message Service of Olsson with the systems of Shaughnessy and Bliss because it would provide for the purpose of communicating unstructured data within a mobile telecommunication network.

*Response to Arguments*

In the remark applicants argue that the cited reference fails to disclose:

- I) a recipient choosing or selecting “at least one of the stored addresses as a preferred address for communication with said recipient” as to claims 1 and 29.
- II) “recipient selecting a different at least one of the stored addresses as a new preferred address for communication with said recipient” as to claims 1 and 29.

In response to applicants’ arguments,

- I) The newly cited reference Bliss (USPN 6,654,789) teaches the recipient choosing at least one of the stored addresses as a preferred address for communication with the recipient (see col. 2 lines 40-44, “As a first step 10 ... prefers others to contact him”); and
- II) Bliss also teaches the recipient selecting a different at least one of the stored addresses as a new preferred address for communication with said recipient (see col. 5 line 66 to col. 6 line 7, “A preferred address may only ... during the registration process”).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the choosing and changing of a preferred address of Bliss with the delivery system of Shaughnessy because it would provide or the purpose of storing old and new electronic identifiers for searching and matching the new and old electronic identifiers of an entity as described in column 1 lines 52-55.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner *Thomas Pham*; whose telephone number is (571) 272-3689, Monday - Thursday from 6:30 AM - 5:00 PM EST or contact Supervisor *Mr. Anthony Knight* at (571) 272-3687.

Any response to this office action should be mailed to: **Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450**. Responses may also be faxed to the **official fax number (703) 872- 9306**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Thomas Pham**  
*Patent Examiner*

A handwritten signature in black ink, appearing to read 'T. Pham', with a stylized flourish at the end.

June 27, 2005